

**SUBMISSION AGREEMENT  
BETWEEN  
THE NATIONAL MARINE FISHERIES SERVICE SOUTHWEST FISHERIES SCIENCE  
CENTER  
AND  
THE NATIONAL CENTERS FOR ENVIRONMENTAL INFORMATION  
FOR HISTORICAL HYDROGRAPHIC AND ICHTHYOPLANKTON DATA  
COLLECTED BY CALCOFI (CALIFORNIA COOPERATIVE OCEANIC FISHERIES  
INVESTIGATIONS) FROM 1951 TO PRESENT**

**2015-08-12**

**Introduction**

This document represents the agreement that the National Marine Fisheries Service southwest Fisheries Science Center (NMFS) (the "Provider") and the National Centers for Environmental Information (NCEI) (the "Archive") have reached for submitting the Provider's data, Historical hydrographic and ichthyoplankton data collected by CALCOFI (California Cooperative Oceanic Fisheries Investigations) from 1951 to present, to the Archive for long-term preservation. It represents a joint effort between the Provider and the Archive to accurately document the agreement and the expectations between the two groups.

In order to ensure that the quality and integrity of the archived data is not compromised, the Provider and the Archive agree to maintain this agreement with accurate and up-to-date information through the life of the data submission.

Add comments as needed

**Contacts**

Persons included in all communications regarding the data submission.

**Provider Contacts**

Point of Contact, Principal Investigator

Sam McClatchie

NOAA Fisheries

Supervisory oceanographer

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NOAA email

**Archive Contacts**

Data Acquisition, Stewardship  
Rost Parsons  
NCEI> National Centers for Environmental  
Information  
Supervisory oceanographer  
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## Data Overview

The entire dataset consist of the hydrographic data collected by Scripps Institution of Oceanography and ichthyoplankton data collected by NOAA Southwest Fisheries Science Center from 1951 to the present in frame of CALCOFI program. CalCOFI hydrographic and plankton data are distributed to the community for use without restriction.

## Applicable and Reference Documents

Documents applicable to or referenced from this agreement.

None

## Submission Scope

### Active Submission Period

2016-01-01 - 2017-01-01

### Data Types

Below is a summary of the data sizing and submission schedule by data type group. Enter information on at least one data type.

Data Type Name	Data Sizing	Submission Schedule
Hydrographic and ichthyoplankton	10 GB - 30 GB	2016-01-01 - 2017-01-01

## Reviews and Testing

Data will be reviewed by NCEI data archiving team

## Providing System

Identification of the system providing the data to NCEI.

System Name: NOAA ERDDAP  
System Owner: Roy Mendelssohn  
Physical Location: Santa Cruz, California  
Additional Information: Add comments as needed on applicable data types, etc.

## Transfer Interface

sftp

## Submission File Inventory

Information on each submitted file type from the Provider. Information on multiple file types can be added below.

**File Type Name:** netCDF

**File Name Pattern:**

<data set id>\_<some number>.<extention>

**File Name Field Definitions:**

The list of dataset id's:

erdCalCOFIcruises, erdCalCOFIeggcnt, erdCalCOFIeggcntpos, erdCalCOFIeggstg, erdCalCOFIshcnt, erdCalCOFIshcntpos, erdCalCOFIshsiz, erdCalCOFIrvntANtoAR, erdCalCOFIrvntAStoBA, erdCalCOFIrvntAtoAM, erdCalCOFIrvntBCEtoBZ, erdCalCOFIrvntCDtoCH, erdCalCOFIrvntCItoCO, erdCalCOFIrvntCPtoDE, erdCalCOFIrvntCtoCE, erdCalCOFIrvntDHtoEC, erdCalCOFIrvntEDtoEU, erdCalCOFIrvntEVtoGN, erdCalCOFIrvntGtoHA, erdCalCOFIrvntHBtoHI, erdCalCOFIrvntHJtoID, erdCalCOFIrvntIEtoLA, erdCalCOFIrvntLBtoLI, erdCalCOFIrvntLJtoMA, erdCalCOFIrvntMBtoMO, erdCalCOFIrvntMPtoNA, erdCalCOFIrvntNBtoOL, erdCalCOFIrvntOMtoOX, erdCalCOFIrvntOYtoPI, erdCalCOFIrvntPLtoPO, erdCalCOFIrvntPPtoPZ, erdCalCOFIrvntQtoSA, erdCalCOFIrvntSBtoSC, erdCalCOFIrvntSDtoSI, erdCalCOFIrvntSJtoST, erdCalCOFIrvntSUtoTE, erdCalCOFIrvntTFtoU, erdCalCOFIrvntVtoZ, erdCalCOFIrvntpos, erdCalCOFIrvnsiz, erdCalCOFIrvstg, erdCalCOFIrocness, erdCalCOFIstns, erdCalCOFItows, erdCalCOFItowtyp, erdNOAAhydros, siocalcofiHydroBottle, siocalcofiHydroCasts, FRDCPSTrawlLHLengthFrequency, FRDCPSTrawlLHSpecimen, FRDCPSTrawlLHHaulCatch

**Example File Name:**

erdCalCOFIcruises\_0703\_9c\_35\_46ae.nc

**File Format:** netCDF

**File Compression:** None

**File Size Range:** 500MB to 2GB

**File Count (Rate):** 51

**Data Volume (Rate):** 20GB

**Submission Schedule:** General time window for when this file will be submitted

**Additional Information:** Add comments as needed for this file type

**Descriptive Information Attributes:**

None: date/time fields are usually used as descriptive attributes for this file.

## Submission Manifest

A submission manifest file with a 32-character MD5 checksum value is required for each submitted file in order to ensure the integrity of the submitted data.

### File Content Specification:

A submission manifest file contains a comma delimited list of submitted file names and associated checksums for one or more submitted files.

### File Transmission:

The frequency and mechanism of a submission manifest transmission.

### File Name Pattern:

Naming pattern used to identify the submission manifest file

**File Name Definitions:**

Definitions of the fields in the submission manifest file name pattern

**Example File Name:**

An actual submission manifest file name

**Archive Ingest**

Ingest processing steps at the Archive and communication with the Provider.

**Receipt Verification:**

The Archive will use the provided file name and 32-character MD5 checksum value to verify the integrity of a delivered file.

**Error Reconciliation:**

The Archive will report any problems or errors with file integrity, file name, checksum validation, or other errors that inhibit the data ingest and archive to the Provider. A new corresponding submission manifest will be required for files re-submitted by the Provider.

**Receipt Confirmation:**

The Archive will provide an inventory of the data ingested once it is completed or as requested by the Provider.

**Quality Assurance:**

No quality checks on the submitted data are planned.

**Archive File Packaging:**

Description of file packaging or re-naming by the Archive upon ingest.

**Archive Storage**

Archive attributes of each archived file type.

**Archive File Type Name:** Descriptive name for this archive file type

**Archive File Attributes/IDs:**

Attribute/ID Type	Value
Dataset ID	Attribute/ID value

**Archive Updates**

Data submissions intended to update an existing archive record require adequate notification and justification. Updates can supersede previous data submissions as a newer or improved version, however any previously submitted data will not be removed from the archive for the purpose maintaining version control and traceability in the archive.

**Retention Schedule**

The data will be retained in the Archive for long-term preservation in accordance with NOAA data management standards. Information on data usage and archive value may be used for making decisions on continuing the duration of the archive.

(Notional) Disposition: Unknown/TBD

## Constraints

No constraints apply or will apply to the archived data.

## User Community

scientific community

## User Documentation and Metadata

The Provider will supply information to the Archive for writing and maintaining standard archive metadata, which includes data discovery information, references and data archive access links for users. The following published documents and archived items will be referenced from the metadata and made available to users.

### Representation Information Items

For data to be useful to users, present and future, its format specification and characteristics must be documented and preserved with the data. Representation Information provides users with syntax (structure) and/or semantics (meaning) to decode the encoded data.

Item	Description
Item name or citation	Item description or intended use

### Preservation Descriptive Information Items

Preservation Descriptive Information items contain context, provenance, and/or quality information for the data.

Item	Description
Item name or citation	Item description or intended use

## Access and Dissemination

The Archive will provide access services for the data and supporting information to the designated user community.

## Additional Terms

None.